Main Conclusion From 1991 to the present, the TSCA Incinerator has treated more than 16,000 tons of waste and released trace amounts of contaminants into the air, but these amounts are far below levels that would harm residents. ATSDR concludes that the TSCA Incinerator presents no apparent public health hazard. This is the conclusion ATSDR uses when exposure to contaminants is possible, but not at levels of public health concern. **Incinerator Design Wastes Treated Air Emissions** Dispersion **Ambient Air** and Operation **Modeling Studies** Sampling Results Several stack tests and Contamination levels in wastes must meet strict trial burns have measured Air modeling studies From 1991 to the present, The TSCA Incinerator is designed to destroy

organic wastes without creating hazardous residuals. Air pollution controls help minimize air releases and process controls automatically shut down operations before they can deviate from conditions needed to treat wastes safely.

Contamination levels in wastes must meet strict acceptance criteria before the wastes can be treated at the TSCA Incinerator. The amount of waste that the incinerator treats is only a small fraction of the amount allowed in the facility's health-protective environmental permits.

Several stack tests and trial burns have measured what the TSCA Incinerator releases into the air.
Continuous stack sampling now occurs for metals and radionuclides. Most measured emission rates have been less than limits established in health-protective environmental permits.

Air modeling studies conducted by the Governor of Tennessee's independent panel, ATSDR, and DOE all suggest that the incinerator does not emit contaminants at levels that would cause health problems.

From 1991 to the present, multiple parties have collected thousands of outdoor air samples near the TSCA Incinerator. Sampling considered contaminants of greatest concern for this site. All data suggest that incinerator emissions have minimal air quality impacts beyond the ORR boundary.

Figure 1. ATSDR's Main Conclusion and Supporting Lines of Evidence